Claims

[c1] A tool for removing a first connector portion having a retraction feature comprising:

a piston assembly having a channel therethrough;

a cross-member slidably receiving said piston assembly, said cross-member having a slot therein, said cross-member having a post head sized to be received within said retraction feature; and

a pin positioned within said channel and slidably received within said slot.

[c2] A tool as recited in claim 1wherein said piston assembly comprises a piston having a first end and a second end.

[c3] A tool as recited in claim 2 wherein said piston assembly has a handle disposed on a first end.

[c4] A tool as recited in claim 2 wherein said channel is disposed on a second end.

[c5] A tool as recited in claim 2 wherein said piston assembly comprises a grip having an opening therethrough for slidably receiving said piston therethrough.

[c6] A tool as recited in claim 5 wherein said piston assembly comprises a spring positioned on said piston between said handle and said grip, said spring urging said handle away from said grip.

[c7] A tool as recited in claim 1wherein said post comprises a first post and a second post.

[c8] A tool as recited in claim 1wherein said pin has an angular shape.

[c9] A tool as recited in claim 1wherein said posts comprise a mounting post and a cylindrical portion.

[c10] A tool for removing a first connector portion having a retraction feature comprising:

a piston having a handle disposed on a first end and a channel disposed on a second end;

a grip having an opening therethrough for slidably receiving said piston;

Attached Gate

a spring positioned on said piston between said handle and said grip, said spring urging said handle away from said grip;
a sleeve adjacent to the grip for slidably receiving the piston;
a cross-member adjacent to said sleeve, said cross-member having a slot therein, said cross-member having a post head; and
a pin positioned within said channel and slidably received within said slot.

[c11] A tool as recited in claim 10 wherein said post comprises a first post and a second post.

[c12] A tool as recited in claim 10 wherein said pin has an angular shape.

[c13] A tool as recited in claim 10 wherein said posts comprise a mounting post and a cylindrical portion.

[c14] A method of disconnecting a back shell from a connector housing mounted on a circuit board comprising:
engaging a tool into a retraction feature of a back shell;
biasing outwardly a pair of guide arms from a housing with the tool;
disengaging a snap from a snap opening; and
removing the back shell from a connector with the tool in a motion perpendicular to said circuit board.

[c15] A method as recited in claim 14 wherein the retraction feature is cup shaped.

[c16] A method as recited in claim 14 wherein engaging said tool comprises engaging a post head of a tool in to the retraction feature.

[c17] A method as recited in claim 14 wherein biasing outwardly comprises biasing outwardly using an angular pin coupled to said tool.

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